08/861989
05/22/97
579 U.S. PTO

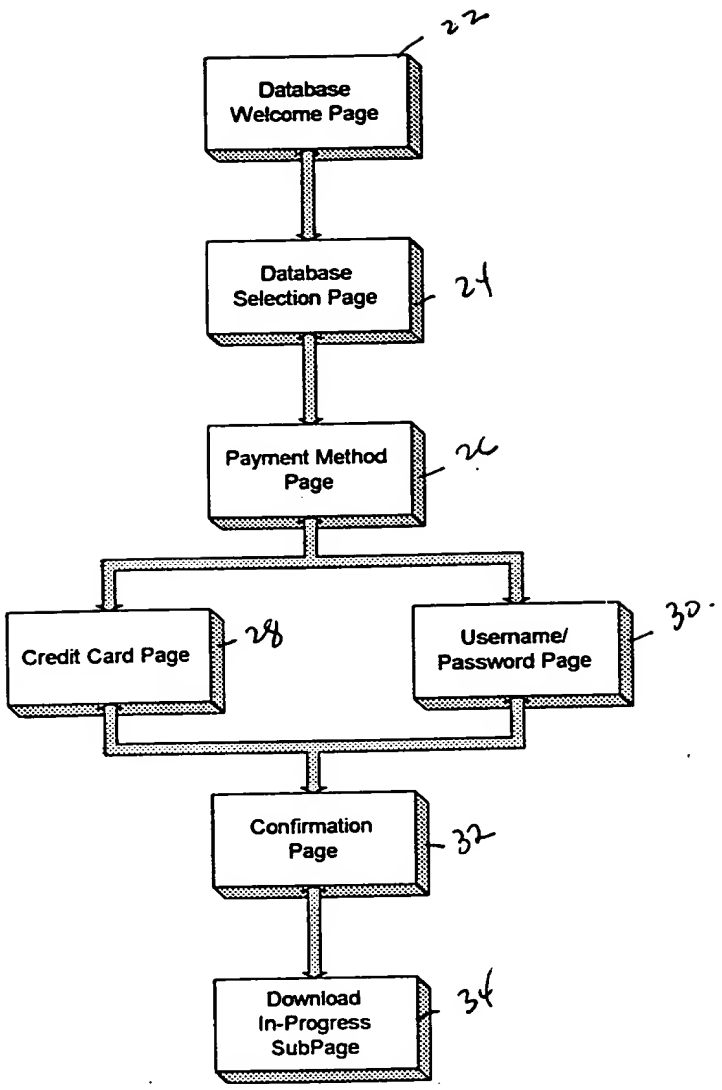


FIG1

08861989 052297

32.5 nm KIXD Leg SET 3	Update DB on ground only Key 1782A949 Update pub DB?

FIG 2.

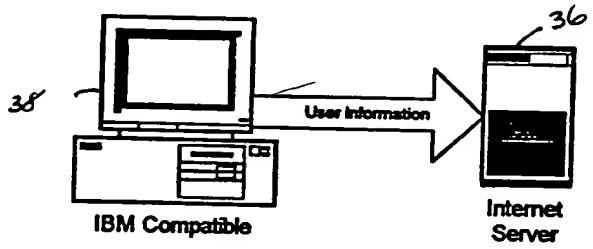


FIG 3

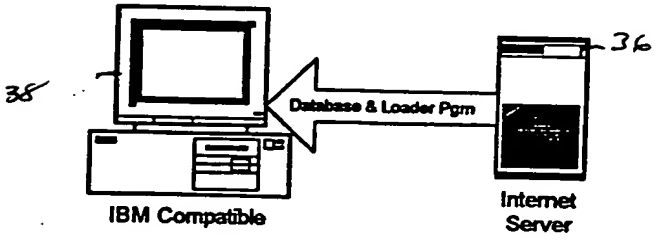


FIG. 4

0550-0869-0550-0869

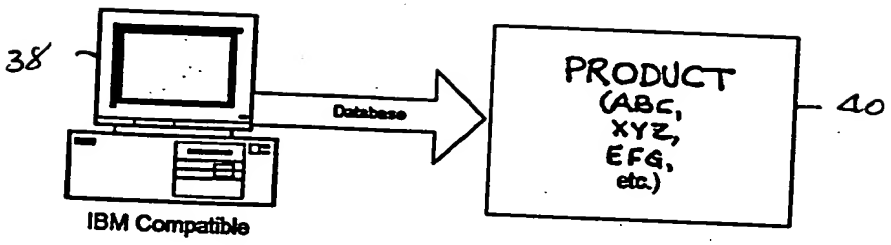
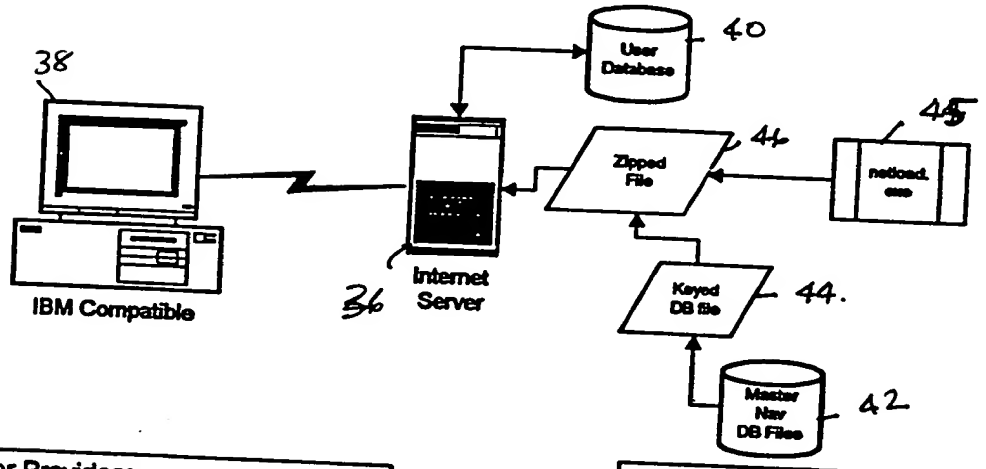


FIG. 5



User Provides:

1) Choice of Database
2a) Credit Card Number OR
2b) Account name & password*
3) Database Key

* - User has already set up an account with (SELLER) before calling if account/password option is used.

SELLER PERFORMS:

1a) Credit-card check OR
1b) Account/Password verification
2) Stamp a master DB file with key
3) Create a .zip file with key-ed DB file and netload.exe software
4) Download the .zip file to the user
5) Charge the user's credit card

FIG 6.

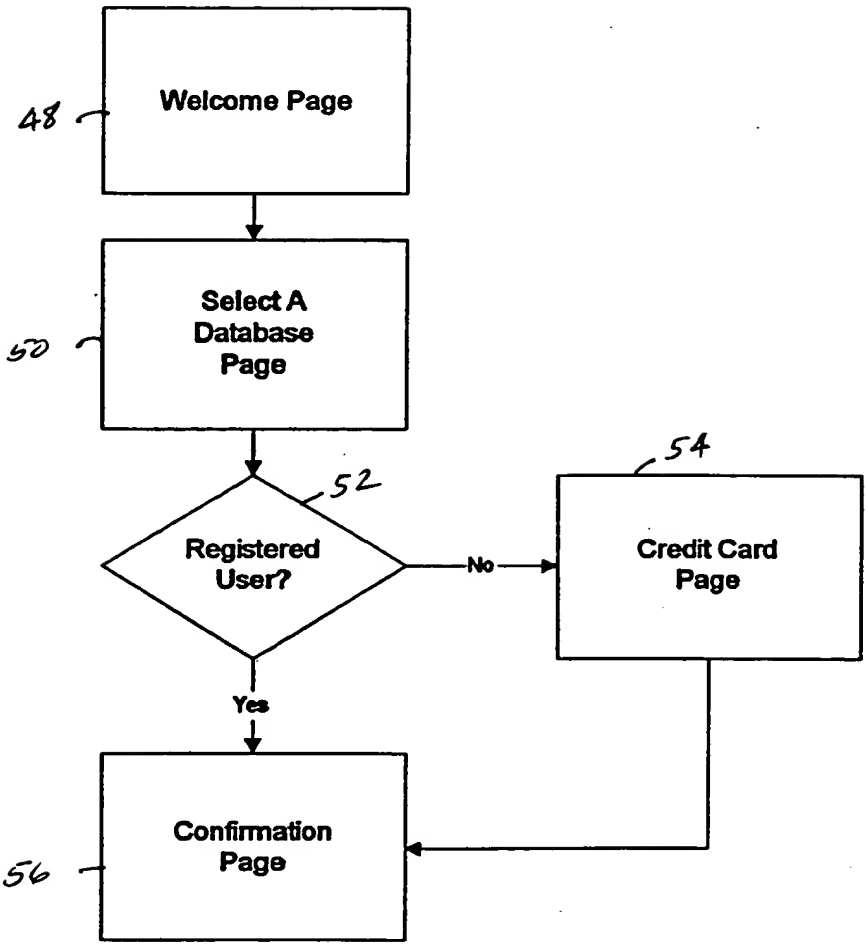

Welcome Page
48
Select A Database Page
50
Registered User?
52
No
Credit Card Page
54
Yes
Confirmation Page
56

FIG. 7

Welcome to the (Seller) Database Update Center

If you have a pre-existing account set up with us, enter your name and password here:

NAME : _____
PASSWORD: _____

SUBMIT Name & Password

OR

Select a Database, and we will ask you for a credit-card later.

Select a Database // FAQ // Back to (Seller) Home Page // What do I need for this? // Feedback

22

FIG. 8

24

Select a Database

If you would like to see a price list, Press Here.

If you would like information on database coverage areas, Press Here.

Want to know how big the files are before you download? Press Here.

What type of product is this database for? _____ (Drop-down Choice Box)

What is the 8-char Database Key for the unit? _____ Example: 0012A4C5 Help

SUBMIT

FAQ // Back to (Seller) Home Page // What do I need for this? // Feedback

FIG. 9

D8805H0 : 05/05/03

Credit Card Entry for Payment.

Enter your credit card number and expiration date below:

Credit Card type:
o MasterCard o Visa o American Express (Radio Button choices)

Name on Credit Card: _____
Credit Card Number : _____
Expiration Date : _____ Examples: 03/99, 12/97, 09/01

Phone Number (including area and/or country code) : _____
Email Address : _____ (optional)

SUBMIT

(If you desire, you may set up a pre-approved account with (Seller) via the telephone. You will be given a user name and password, and when you download, your credit card will be charged automatically. If you would like to set up an account this way, phone 555-555-5555 from 8 a.m. to 5 p.m. Central Time, Monday through Friday.)

FAQ // Back to (Seller) Home Page // What do I need for this? // Feedback

28

FIG 10

32

This page will only be shown if the user did not enter Confirm Download

A file has been created called <0012A_03.ZIP>, created with the key 0012A4C5.

Make sure the information is correct. This file will not update a unit with a different key.

Press Here to download the file now. Your credit card will be charged upon successful completion of the download.

Thank you for using(Seller).

FAQ // Back to (Seller) Home Page // What do I need for this? // Feedback

FIG 11

09850 : 09520202

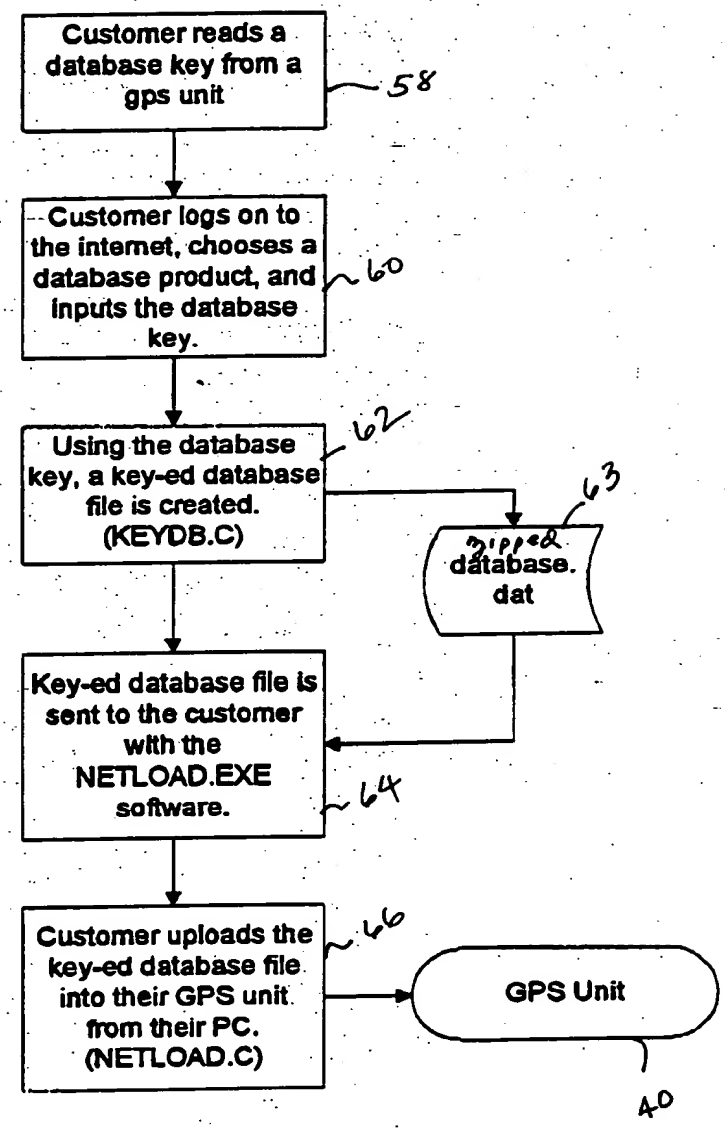


FIG 12

08851980-052597

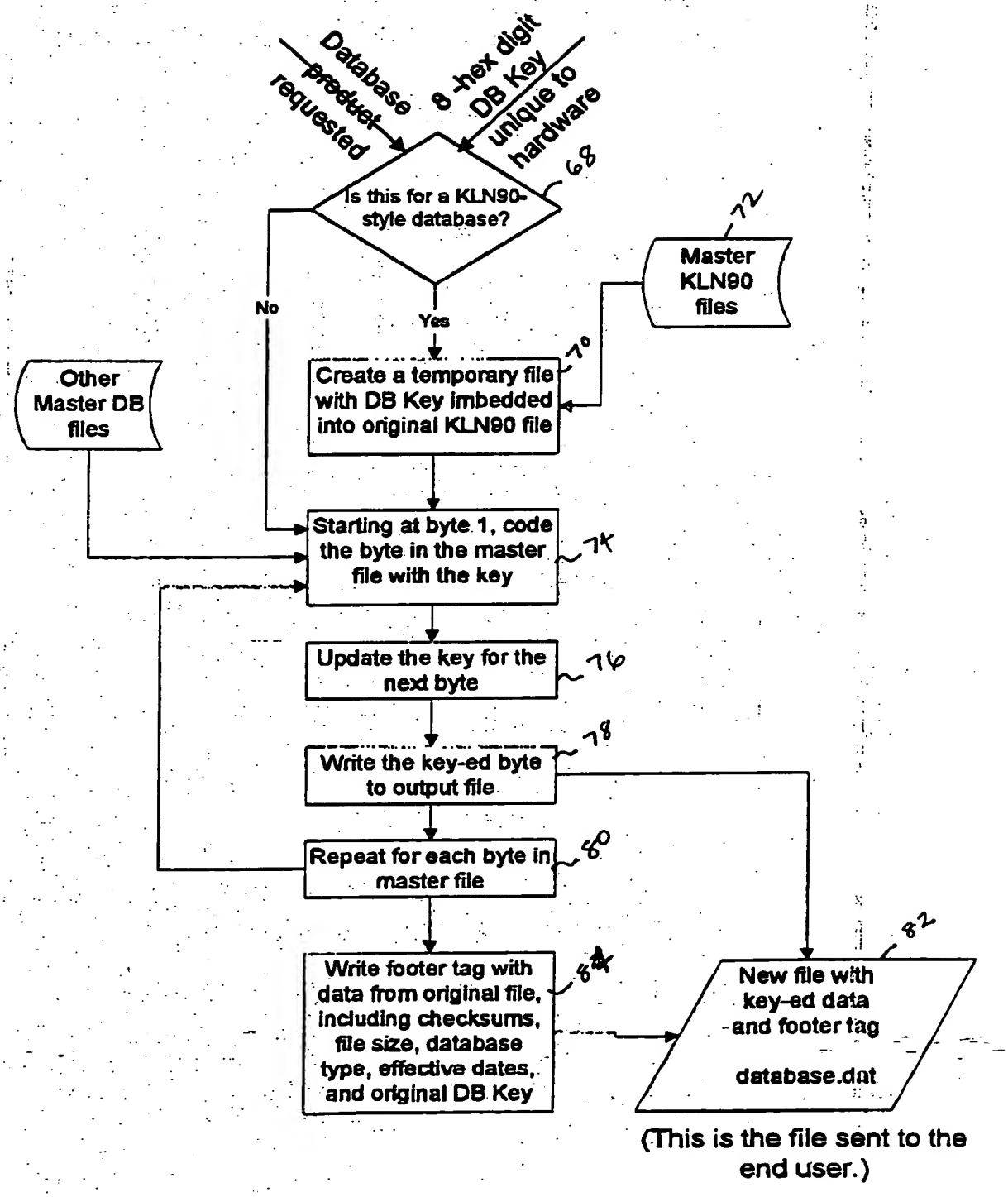


FIG 13

D8801.0050.0

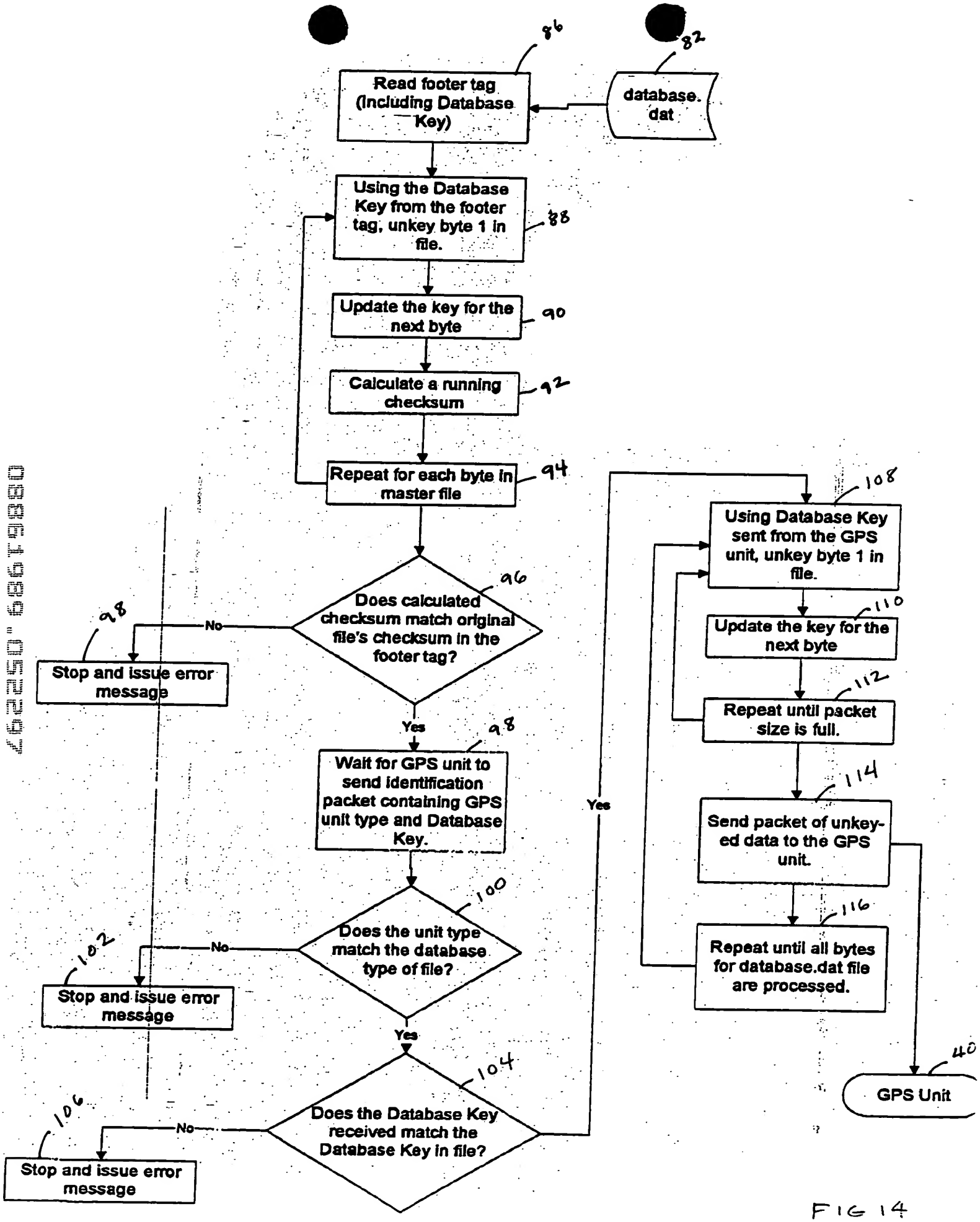

Read footer tag (Including Database Key)
86
database.dat
82
Using the Database Key from the footer tag, unkey byte 1 in file.
88
Update the key for the next byte
90
Calculate a running checksum
92
Repeat for each byte in master file
94
Does calculated checksum match original file's checksum in the footer tag?
96
No
Stop and issue error message
98
Yes
Wait for GPS unit to send identification packet containing GPS unit type and Database Key.
98
Does the unit type match the database type of file?
100
No
Stop and issue error message
102
Yes
Does the Database Key received match the Database Key in file?
104
No
Stop and issue error message
106
Yes
Using Database Key sent from the GPS unit, unkey byte 1 in file.
108
Update the key for the next byte
110
Repeat until packet size is full.
112
Send packet of unkeyed data to the GPS unit.
114
Repeat until all bytes for database.dat file are processed.
116
GPS Unit
40

FIG 14